I claim:

1. A method for designing compounds specifically inhibiting targeted ribonucleic acid comprising the steps of:

(a) determining the nucleotide sequence in the targeted ribonucleic acid that is critical to function;

(b) determining the secondary structure of the region of the targeted ribonucleic acid in which the critical site is located;

(c) determining the three-dimensional structure of the targeted RNA, including the position of the critical site relative to the major and minor grooves;

(d) determining the sequence of nucleotides and structure flanking the critical site in the targeted ribonucleic acid that is specific to the critical region of the ribonucleic acid to be inhibited; and

(e) synthesizing compounds that will bind specifically to the critical site of the targeted ribonucleic acid.

2. The method of claim 1 wherein the compound binds specifically within the minor groove of the targeted RNA.

3. The method of claim 1 wherein the ribonucleic acid is selected from the group consisting of mRNA, rRNA, tRNA and viral RNA.

4. The method of claim 1 further comprising synthesizing compounds that inhibit protein synthesis from the targeted ribonucleic acid.

5. The method of claim 4 wherein protein synthesis is inhibited in cells selected from the group consisting of tumor cells, virally infected cells, and bacteria.

6. The method of claim 1 wherein the three-dimensional structure is modeled using sequences of the RNA and calculating the minimum energies for these strucutres.

7. The method of claim 1 wherein the critical region of the targeted ribonucleic acid is determined by mutation of regions of the targeted RNA and analysis of the amino acid sequence derived from the mutated RNA.

8. The method of claim 1 wherein the targeted RNA is a tRNA, wherein the critical region of the tRNA is determined by site directed mutation of the tRNA and analysis of the function of the mutated tRNA.

9. The method of claim 1 further comprising determining an effective amount of the inhibitory compound and combining the inhibitory compound with a pharmaceutical carrier.

10. The method of claim 9 wherein the carrier is selected from the group consisting of retroviral vectors, pharmaceutically acceptable compositions for topical administration, pharmaceutically acceptable compositions for parenteral administration, pharmaceutically acceptable compositions for enteral administration, and combinations thereof.

11. A compound specifically binding to and inhibiting the function of a targeted RNA molecule, wherein the compound is specifically directed to a critical region of the RNA molecule, located with the minor groove of the RNA molecule, by a combination of the primary, secondary and tertiary structure of the critical region.

12. The compound of claim 11 wherein the RNA is selected from the group consisting of mRNA, tRNA, and rRNA.

13. The compound of claim 11 further comprising a pharmaceutically acceptable carrier selected from the group consisting of retroviral vectors, pharmaceutically acceptable compositions for topical administration, pharmaceutically acceptable compositions for parenteral administration, pharmaceutically acceptable compositions for enteral administration, and combinations thereof.